INDEX OF VOLUME 23, 1985

NUMBER 1, JANUARY–FEBRUARY 1985

An Historical Perspective, by Jay H. Lehr, p. 2.
A Multistage Model for the Development of Hydrochemical Zonation in Chalk Ground Waters, by K.W.F. Howard, pp. 4-9.
Migration and Attenuation of Selected Organics in a Sandy Aquifer – A Natural Gradient Experiment, by P. A. Sutton & J. F. Barker, pp. 10-16.
Determination of Microbial Cell Numbers in Subsurface Samples, by J. J. Webster, G. J. Hampton, J. T. Wilson, W. C. Ghiorse & F. R. Leach, pp. 17-25.
Ground-Water Contamination and Well Construction in Southeast Nebraska, by M. E. Exner, C. W. Lindau & R. F. Spalding, pp. 26-34.
Distribution of Carbonates, Bicarbonates, and pH Values in Ground Water of the Nile Delta Region, Egypt, by M. El Ghandour, J. B. Khalil & S. A. Atta, pp. 35-41.
Brackish Water in Unsaturated Confining Beds at a Texas Lignite Mine, by Alan R. Dutton, pp. 42-51.
The Role of Specific Yield in Ground-Water Recharge Estimations: A Numerical Study, by Marios Sophocleous, pp. 52-58.
Nitrogen-Isotope Ratios of Nitrate in Ground Water Under Fertilized Fields, Long Island, New York, by W. J. Flipse, Jr. & F. T. Bonner, pp. 59-67.
Effect of Agricultural Land Use on Ground-Water Quality in a Small Pennsylvania Watershed, by H. B. Pionke & J. B. Urban, pp. 68-80.

NUMBER 2, MARCH–APRIL 1985

Let There Be Stoning!, by Jay H. Lehr, pp. 162-165.
Aquifer Test Analysis in Nonradial Flow Regimes: A Case Study, by E. D. Smith & N. D. Vaughan, pp. 167-175.
Fault Severed Aquifers Along the Perimeters of Wyoming Artesian Basins, by Peter W. Huntoon, pp. 176-181.
Relations Between Aquifer Electrical and Hydraulic Properties, by W. E. Kelly & R. K. Frohlich, pp. 182-189.
Economic Aspects in the Investigation of Ground-Water Contamination Episodes, by Mordechai Shechter, pp. 190-197.
Potentiometric Mapping from Incomplete Drill-Stem Test Data: Palo Duro Basin Area, Texas and New Mexico, by E. S. Bair, T. P. O'Donnell & L. W. Picking, pp. 198-211.
Aquifer-Parameter Evaluation from Variable-Rate Pumping Tests Using Convolution and Sensitivity Analysis, by M. A. Butt & C. D. McElwee, pp. 212-219.
Comparison of Methods for Estimating Ground-Water Pumpage for Irrigation, by Steven A. Frenzel, pp. 220-226.
Analysis of Steady-State Flow in Semiconfined Aquifers: A New Approach, by S. K. Gupta & P. Sharma, pp. 227-232.

NUMBER 3, MAY–JUNE 1985

Tolerance of Water Witching Rhetoric Is Reprehensible!, by Jay H. Lehr, pp. 302-307.
Comparison of Aquifer Characteristics Derived from Local and Regional Aquifer Tests, by R. B. Randolph, R. E. Krause & M. L. Maslia, pp. 309-316.
Contamination of Aquifers by Overpressuring the Annulus of Oil and Gas Wells, by Samuel S. Harrison, pp. 317-324.
Simulation of Ground-Water Flow in Southeastern Oahu, Hawaii, by Paul Richard Eyre, pp. 325-331.
Evolution of Regional Hydrogeologic Setup of a Hard Rock Aquifer Through R-C Analog Model, by C. P. Gupta, M. Thangarajan & V.V.S. Gurunadha Rao, pp. 331-335.
Automatic Generation of Flow Nets with Conventional Ground-Water Modeling Algorithms, by G. E. Fogg & R. K. Senger, pp. 336-344.
Rejection of Recharge Water from Madison Aquifer Along Eastern Perimeter of Bighorn Artesian Basin, Wyoming, by Peter W. Huntoon, pp. 345-353.
Distribution of Volatile Organic Compounds in a New Jersey Coastal Plain Aquifer System, by T. V. Fusillo, J. J. Hochreiter, Jr. & D. G. Lord, pp. 354-360.
Interference Due to Neighboring Wells During Pumping Tests, by K. R. Rushton, pp. 361-366.
Performance and Analysis of Drillstem Tests in Small-Diameter Boreholes, by F. Marinelli & J. W. Rowe, pp. 367-376.

NUMBER 4, JULY–AUGUST 1985

The USGS Water Resources Division Today: A Publishing House for the People, by Jay H. Lehr, pp. 438-441.
Gradient Controlled Caves, Trapper-Medicine Lodge Area, Bighorn Basin, Wyoming, by Peter W. Huntoon, pp. 443-448.
An Interpretation of Dug Well Performance Using a Digital Model, by A. R. Lawrence, pp. 449-454.
Some Computational Experiences Using Embedding Technique for Ground-Water Management, by Yeou-Koung Tung & C. E. Koltermann, pp. 455-464.
A Model Study of Salt-Water Intrusion to a River Using the Sharp Interface Approximation, by C. D. McElwee, pp. 465-475.
A New Method of Contaminant Plume Analysis, by P. A. Domenico & G. A. Robbins, pp. 476-485.
Laboratory Investigation and Analysis of a Ground-Water Flowmeter, by J. G. Melville, F. J. Molz & O. Güven, pp. 486-495.
Movement of Volatile Organics Through a Fractured Rock Aquifer, by Steven E. Spayd, pp. 496-502.
Estimating Vertical Soil Moisture Flux at a Land Treatment Site, by S. J. Dreiss & L. D. Anderson, pp. 503-511.
Simulated Salt-Water Movement in the Nakhon Luang Aquifer, Bangkok, Thailand, by A. Das Gupta, pp. 512-522.

NUMBER 5, SEPTEMBER–OCTOBER 1985

Pollyanna? No – Realistic Optimist? Yes!, by Jay H. Lehr, pp. 582-584.
Septic Tank Density and Ground-Water Contamination, by Marylynn V. Yates, pp. 586-591.
Stable Carbon Isotopes of HCO_3^- in the Aquia Aquifer, Maryland: Evidence for an Isotopically Heavy Source of CO_2, by F. H. Chapelle & L. L. Knobel, pp. 592-599.
A Hydraulic Trap for Preventing Collector Well Contamination: A Case Study, by D. U. Ophori & R. N. Farvolden, pp. 600-610.
Use of Rain and Dry Deposition Compositions for Interpreting Ground-Water Chemistry, by G. H. Wagner & K. F. Steele, pp. 611-616.
Ground-Water Model of Two-Phase Immiscible Flow in Coarse Material, by D. P. Hochmuth & D. K. Sunada, pp. 617-626.
Relationship of Geology, Physiography, Agricultural Land Use, and Ground-Water Quality in Southwest Georgia, by B. F. Beck, L. Asmussen & R. Leonard, pp. 627-634.
The Use of Hydrogeochemical Patterns in Carbonate Sand and Sandstone Aquifers to Identify Intrusion and Flushing of Saline Water, by Abraham Mercado, pp. 635-645.
Analysis of Flow to a Large-Diameter Well During the Recovery Period, by G. C. Mishra & A. G. Chachadi, pp. 646-651.
Migration of Chlorophenolic Compounds at the Chemical Waste Disposal Site at Alkali Lake, Oregon – 2. Contaminant Distributions, Transport, and Retardation, by R. L. Johnson, S. M. Brillante, L. M. Isabelle, J. E. Houck & J. F. Pankow, pp. 652-666.

NUMBER 6, NOVEMBER–DECEMBER 1985

The Trouble with RCRA, by Arnold Schiffman, pp. 726-734.
Ground-Water Flow in the Coastal Plain Aquifers of South Carolina, by W. R. Aucott & G. K. Speiran, pp. 736-745.
Characterization of Dye Tracer Plumes: In Situ Field Experiments, by T. G. Naymik & M. E. Sievers, pp. 746-752.
Waste-Water Injection: Geochemical and Biogeochemical Clogging Processes, by J. A. Oberdorfer & F. L. Peterson, pp. 753-761.
Estimating Aquifer Permeability from Formation Resistivity Factors, by Thomas Kwader, pp. 762-766.
Subdivision of Thick Sedimentary Units into Layers for Simulation of Ground-Water Flow, by J. S. Weiss & A. K. Williamson, pp, 767-774.
A Tube and Cartridge Method for Down-Hole Sampling for Trace Organic Compounds in Ground Water, by J. F. Pankow, L. M. Isabelle, J. P. Hewetson & J. A. Cherry, pp. 775-782.
Approximation of Salt-Water Interface Fluctuation in an Unconfined Coastal Aquifer, by A. Das Gupta, pp. 783-794.
Role of Volcanic Tuffs in Ground-Water Regime of Valle Central, Costa Rica, by S.S.D. Foster, A. T. Ellis, M. Losilla-Penon & H. F. Rodriguez-Estrada, pp. 795-801.